

## Ecole Supérieure d'Ingénieurs des Travaux de la Construction de METZ

### COURSES Offer Semester 4 – Summer Semester 23023/2024

| <b>UNIT 1 BASIC ENGINEERING TOOLS</b>  | <b>12</b> | <b>ECTS</b> |
|--|-----------|-------------|
| - Information technology / programming |           | 2           |
| - Introduction to research             |           | 1           |
| - Mathematics / Algebra                |           | 3           |
| - Mathematics / Algorithms             |           | 1           |
| - Strengths of materials               |           | 5           |

  

| <b>UNIT 2 MASTERING CONSTRUCTION TECHNOLOGIES AND ORGANISATION</b> | <b>13</b> | <b>ECTS</b> |
|--|-----------|-------------|
| - Reinforced concrete  |           | 3           |
| - The challenges of the ecological transition                      |           | 2           |
| - Soil mechanics   |           | 4           |
| - Bridges / engineering structures                                 |           | 2           |
| - Earthworks   |           | 2           |

  

| <b>UNIT 3 COMMUNICATING AND GETTING TO KNOW THE COMPANY</b> | <b>10</b> | <b>ECTS</b> |
|---|-----------|-------------|
| - Personal development / management                         |           | 1           |
| - Urban planning law  |           | 2           |
| - Procurement law   |           | 2           |
| - English   |           | 2           |
| - German or Spanish   |           | 1           |
| - French as foreign language                                |           | 2           |